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Patent Number:

FR2755650 A1

19980515

**Automobile speed limiting device  
with intervention perceptible to driver**  
(FR2755650)

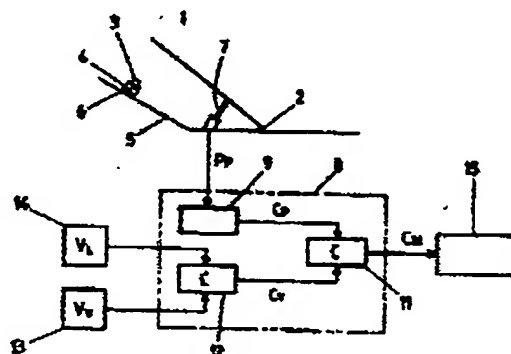
**LIMITEUR DE VITESSE D'UN  
VEHICULE AUTOMOBILE, DONT  
L'ACTION EST PERCUE PAR LE  
CONDUCTEUR**

Index Terms:

AUTOMOTIVE  
VEHICLE; SPEED  
LIMITER;  
ACCELERATOR  
PEDAL; PUSH  
BUTTON; STROKE

(FR2755650)

The angular depression of the accelerator is monitored by a position sensor (7), whose output the controller (8) transforms (9) to a torque signal (Cp). The vehicle speed sensor's (13) output (Vv) is compared (12) with an adjustable (14) reference setting (Vl). The result, expressed in torque terms (Cv), is compared (11) with the pedal-related torque (Cp), the comparator output being used (15) to vary the engine torque. Below the set limit, the output signal (15) directly reflects the driver's applied pedal position, but when the set speed limit is reached the controller maintains this value. Depressing the pedal further brings it against a spring-loaded (6) stop (3). The driver perceiving resistance, then has an over-limit option with further pressure.



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|   |           |    |   |
|---|-----------|----|---|
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|   | STG:      |    | 1996FR-0013883  |
|   | AP:       |    | 19961114  |
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|   | STG:      |    |   |

Priority Details:

1996FR-0013883  
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Patent Number: DE4437678 A1 19960502

**Method for regulating distance between motor vehicles**

(DE4437678)

**Verfahren zur Abstandsregelung von Kraftfahrzeugen**


(DE4437678)

The equipment includes a measuring unit (1) in the form of a radar sensor, for example, and the measurement is monitored and evaluated by a monitoring unit (2). This latter unit provides a required distance on the basis of the speed of the vehicle and can control the speed through the butterfly valve or through the throttle (3) and by engaging the brakes through the brake pedal (4). The monitoring unit consists of a radar control (21), acceleration control (22) and a brake control (23).

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|  |                                    |
|--|------------------------------------|
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| <b>STG:</b>  | Doc. Laid open (First publication) |
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